



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

999 18th STREET - SUITE 500  
DENVER, COLORADO 80202-2466

SDMS Document ID



2003618

## ACCESS AGREEMENT

**PROPERTY:**

AGRICOLA & AMANDA P NANEZ  
3436 CLAYTON ST  
DENVER, CO 80205

I will allow Environmental Protection Agency (EPA) staff and EPA's authorized representatives to have access to my property identified above for the purpose of collecting soil samples. I understand that this service is provided at no cost to me.

I understand that this soil testing is part of an investigation of possible metals contamination in soils in the north Denver area. EPA is conducting this investigation as part of its responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act, a law also referred to as "Superfund".

A. NANEZ  
Print Name

6/29/99  
Date

A. Nanez  
Signature

303 377 5257  
Phone Number

Please check the following if applicable:

☐ I would like EPA to provide me with a portion of the sample, called a "split sample," that I may have analyzed at my own expense.

If you have any questions, please contact Ted Fellman at (303) 312-6119, or Marta Valentine from the Morrison Knudsen Corporation (EPA's contractor) at (303) 948-4693.

**Your Comments:**

**PLEASE SIGN AND RETURN THIS ACCESS AGREEMENT TO OUR CONTRACTOR IN THE ENCLOSED PREPAID ENVELOPE.** Soil sampling will take about 1 hour. The owner or resident need not be present. If you would like to be notified when we plan to sample your property, please state so in the Comments section and provide your phone number. Also, pet owners are asked to provide a phone number so that if necessary we may schedule the sampling at a time when the pet will be indoors or restrained. Thank you for participating in this important study of your neighborhood.

NOTE: If you are not the current property owner, and you are not a renter who wishes to forward this request to the owner, please state so in the Comments section and return this agreement unsigned.

08/06/99  
ck

E-765

Table 1. Phase 2 Record of Deviation/Request for Modification Forms

RD/RM ID	Status	Further Action Required?/Comments <sup>1,2</sup>
1-5	Signed	No
6 <sup>a</sup>	Not Present	Locate and forward legible form, as necessary
7	Signed	No
8-9 <sup>a</sup>	Not Present	Locate and forward legible forms, as necessary
10	Signed	No
11-14	Not Present	Locate and forward legible forms, as necessary
15 <sup>b</sup>	Revision Required	<u>Potential Implications</u> . Please add: "No negative implications are anticipated. Tailoring of cleaning activities to the specific home environment is desirable to properly characterize risk at that residence."
16 <sup>b</sup>	Revision Required	1) <u>Field Logbook &amp; Page No.</u> Add logbook page number. 2) <u>Description of Deviation</u> . Illegible.
17 <sup>b</sup>	Revision Required	1) <u>Field Logbook &amp; Page No.</u> Add logbook page number. 2) <u>Potential Implications</u> . Please add: "This test will likely measure potential human health asbestos exposure when work is performed in the living space. However, due to limited space in the residence, data to describe dust settling rates in the living area that are different from work area dust settling rates will not be available for this residence. This translates into a data gap; however, minimum information needed to evaluate exposures will still be available."
18 <sup>b</sup>	Revision Required	1) <u>Field Logbook &amp; Page No.</u> Add logbook page number. 2) <u>Description of Deviation</u> . Illegible.

RD/RM ID	Status	Further Action Required?/Comments <sup>1,2</sup>
19 <sup>b</sup>	Revision Required	1) <u>Field Logbook &amp; Page No.</u> Add logbook page number. 2) <u>Reason for Deviation.</u> Please describe EPA's cited reason for deviation. 3) <u>Potential Implications.</u> Explain the implications of not having these data.
20	Revision Required	1) <u>Description of Deviation.</u> Please indicate how long before sampling and how long after sampling the SAMs should be placed. 2) <u>Reason for Deviation.</u> Add "the" before "wind swirls" 3) <u>Potential Implications.</u> Indicate what is to be done if the SAMs show fibers are present in the perimeter. 4) <u>Proposed Modification of SQAPP.</u> Quantify "sufficient". For example: "minimum of 4 corners of the residence perimeter". Add an indication of how long before sampling the SAMs will be placed and how long after sampling the SAMs will be removed.
21	Revision Required	<u>Potential Implications.</u> Please add: "Exposure data (excursion samples) are required for each worker present in the exclusion zone." Also, assuming that the reason for the additional worker is for safety requirements. Please indicate this.
22	Revision Required	1) <u>Reason for Deviation.</u> Please describe EPA's cited reason for deviation. 2) <u>Potential Implications.</u> Explain the implications of not having these data.
23-24	?	RD/RM did not pertain to Phase 2 and were forwarded to Chris Weis. Please see him as necessary.
a	Revision Required	<u>Potential Implications.</u> Please add: "...but they will be documented in the field logbook when actual sampling times vary from those recommended in the Phase II SQAPP."

1. Comments are organized by form subsection. Notes that example text provided here are recommendations only. Please add appropriate text as applicable.
  2. Wherever possible, please direct the field personnel to indicate the implication of the outcome resulting from the deviation or modification. This outcome may be either positive or negative, but should be adequately described.
- 
- a. I have one form whose number is obscured. It is likely number 6, 8, or 9. This form has been reviewed and is identified as RD/RM form "a" in Table 1. See that section for recommended improvements.
  - b. After having been faxed several times, the forms are difficult to read, so I may have misinterpreted them. Please forward legible forms. To expedite the process, I have commented on the forms as I was able. Disregard any comments that appear to have been misinterpreted.

05/04/2001 13:47 16174942789

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PAGE 02

05/04/2001 10:52 ARE-292-7024

MARCO RENEVATION

OPTIONAL FORM NO. 17-00

## FAX TRANSMITTAL

# of pages 9

000001

TO: <u>Terry K.</u>	FROM: <u>John M.</u>
Dept./Agency: <u>CDM</u>	Phone: <u>617 494 2574</u>
Fax #: <u>406 293 8901</u>	Fax #: <u>617 494 2789</u>

NSN 7540-01-317-7028 0006-101 GENERAL SERVICES ADMINISTRATION

**Deviation/Modification**  
**Re: Quality Assurance Project Plan**

**Instructions to Requester: Fax to contacts at bottom of form for review and approval.**

**File approved copy with Data Manager and fax copy to SRC.**

Project QAPP (circle one): PE Study Part a (approved 4/00), b (approval pending), c (approval pending)  
 Phase I (approved 4/00) Phase II (approved 2/01)  
 Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Pam Chebasko Title: IT  
 Company: PER Date: 5-2-01

## Description of Deviation:

Active sampling period for simulated remodeling activity extended to include time until "Post 1" sampling started.

Field Logbook and page number deviation is documented on: logbook # 200006, pgs 24, 25.

## Reason for Deviation:

Eliminate data gap.

## Potential Implications of this Deviation:

Sampling period extended until post sampling started to eliminate gap in data collection.

## Duration of Deviation (circle one):

Temporary Date(s): \_\_\_\_\_  
 Resident address(es): \_\_\_\_\_

Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary, state section and page numbers of SQAPP when applicable):

Pg 15. Not specified in QAPP. Should be added.

## Technical Review:

(Volpe Project Manager or designate)

Date: 5/4/01

## Quality Assurance Review and Approval:

(Quality Assurance Coordinator or designate)

Date: 11/27/01

## Approved By:

(USEPA OSC or SSC)

Title: SSC

Date: 5/24/01

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 5/1/01

05/04/2001 13:47 16174942789  
 05/04/2001 10:52 405-293-7924

MARCO REDEMPTION

PAGE 02  
 PAGE 03

000002



# Record of Deviation/ Request for Modification

to the  
 Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
 File approved copy with Data Manager and fax copy to SSC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
 Phase I (approved 4/00) Phase II (approved 2/01)  
 Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Pam Chebaske

Title: JH

Company: PEs

Date: 5-3-01

## Description of Deviation:

One (1) stationary high volume air sample will be collected in the work area during the simulated remodeling activity.

Field Logbook and page number deviation is documented on: Logbook # 200008, pg 24

## Reason for Deviation:

Assess exposure in work area during simulated remodeling activity.

## Potential Implications of this Deviation:

Provide more thorough information about exposure in work area during simulated remodeling activity.

## Duration of Deviation (circle one):

Temporary

Date(s):

Resident address(es):

Permanent

(complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Pg. 15 - Not referenced. Should be added.

## Technical Review:

(Volpe Project Manager or designate)

Date:

5/4/01

## Quality Assurance Review and Approval:

(Quality Assurance Coordinator or designate)

Date:

5/5/01

## Approved By:

(USEPA OSC or SSC)

Title:

SSC

Date:

5/24/01

05/04/2001 13:47 16174942789  
05/04/2001 10:52 406-293-7924

MARCOR REMEDIATION

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PAGE 04

000003



# Record of Deviation Request for Modification

Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.

File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 8/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Pam Chehaske  
Company: PRS

Title: IHDate: 5-3-01

## Description of Deviation:

Two (2) Marcor personnel performing simulated remodeling activity.

Field Logbook and page number deviation is documented on: Logbook # 200008, pg. 24.  
Reason for Deviation:

More than one individual required to perform the activity - one in the office and one in the living area.

## Potential Implications of this Deviation:

Provide adequate number of personnel to complete the simulated remodeling activity in reasonable amount of time.

## Duration of Deviation (circle one):

Temporary

Date(s): \_\_\_\_\_

Resident address(es): \_\_\_\_\_

Permanent

(complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Sp. 15. Personal Air Monitor for Simulated Worker- Should read "Individual or individuals" to cover the need for more than one worker to complete the activity.

## Technical Review:

(Volpe Project Manager or designate)

Date:

5/4/01

## Quality Assurance Review and Approval:

(Quality Assurance Coordinator or designate)

Date:

5/5/01

## Approved By:

(USEPA OSC or SSC)

Title:

SSC

Date:

5/24/01

05/04/2001 13:47 16174942789  
05/04/2001 10:52 406-293-7924

MARJOR REMEDIATION

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000004



# Record of Deviation/ Request for Modification

to the  
Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
File approved copy with Data Manager and fax copy to SSC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Pam Chetraske  
Company: PES

Title: IE  
Date: 5-3-01

## Description of Deviation:

Only 1 (one) "Post" Sample was run after the simulated remodeling activity due to time constraints.

Field Logbook and page number deviation is documented on: Logbook #200008, pg 25  
Reason for Deviation:

Initial set-up and performance of simulated remodeling activity required more time than anticipated. Not completed till late in day. Additional "Post" Samples would have been taken in the dark. Unsafe.

## Potential Implications of this Deviation:

Limited data to show dust settling.

## Duration of Deviation (circle one):

Temporary Date(s): 5-3-01

Resident address(es): 1042 California Avenue  
Libby, MT

Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Technical Review: [Signature]  
(Voipe Project Manager or designate)

Date: 5/4/01

Quality Assurance Review and Approval: Jerry Goldade  
(Quality Assurance Coordinator or designate)

Date: 5/15/01

Approved By: [Signature]  
(USEPA OSE or SSC)

Title: SSC

Date: 5/24/01

05/04/2001 13:47 16174942789  
05/04/2001 10:52 406-293-7924

HARBOUR REMEDIATION

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PAGE 06

000005



# Record of Deviation/ Request for Modification

to the  
Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 4/00) b (approval pending) c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Gary Parsons

Title: IH

Company: PES

Date: 5/2/01

## Description of Deviation:

3 (three) additional task oriented low volume personal air samples will be collected on the remainder of the other 5 (five) additional task oriented low volume personal air samples will be collected on the worker occupying the living space in the potator

Field Logbook and page number deviation is documented on: Logbook # 200008, pg 24

## Reason for Deviation:

Assess exposures of individual tasks

## Potential Implications of this Deviation:

Provide information on task based exposures during simulated remedial activities

## Duration of Deviation (circle one):

Temporary

Date(s):

Resident address(es):

Permanent

(complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

16.15 - Personal Air Monitor for Simulated block

- Not Referenced

- Should be Added

(See Attachment)

## Technical Review:

(Volpe Project Manager or designate)

Date:

5/4/01

## Quality Assurance Review and Approval:

(Quality Assurance Coordinator or designate)

Date:

5/15/01

## Approved By:

(USEPA OSC or SSC)

Title:

SSC

Date:

5/24/01



move  
to position

punch  
hole

clean  
vermic  
+ take bulk

saw

egress

cleanup

ATTIC



GROUND



05/04/2001 13:47 16174942789  
05/04/2001 10:52 406-293-7924

MARCOR REMEDIATION

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000007



# Record of Deviation Request for Modification

Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.

File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 8/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Chris Parana  
Company: PES

Title: IH  
Date: 5/2/01

## Description of Deviation:

2 personal Hard hat samples were collected. One (4) on the remediator in the office. One (1) on the person occupying the living space.

Field Logbook and page number deviation is documented on: Logbook # 200008, pg. 24

## Reason for Deviation:

Assess personal exposure potential for simulated remediation activities in real time.

## Potential Implications of this Deviation:

Place thorough understanding of exposure to workers completing simulated remediation activities.

## Duration of Deviation (circle one):

Temporary

Date(s):

Resident address(es):

Permanent

(complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary, state section and page numbers of SQAPP when applicable):

File Section, Dust Monitors - Not achieved, should be added

Technical Review: [Signature]  
(Volpe Project Manager or designee)

Date: 5/4/01

Quality Assurance Review and Approval: [Signature]  
(Quality Assurance Coordinator or designee)

Date: 5/15/01

Approved By: [Signature]  
(USEPA OSC or SSC)

Title: SSC

Date: 5/24/01

000010



# Record of Deviation/ Request for Modification

to the

Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.

File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 8/00), b (approval pending), c (approval pending)  
 Phase I (approved 4/00) Phase II (approved 2/01)  
 Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NARequester: Pam ChehaskeTitle: IHCompany: PESDate: 5-7-01

Description of Deviation:

Cleaning activity at this residence changed to pulling carpet and vacuumingField Logbook and page number deviation is documented on: Log Logbook # 200007, pg 42

Reason for Deviation:

Requested by EPA.

Potential Implications of this Deviation:

Provide information on carpet removal activities.

Duration of Deviation (circle one):

TemporaryDate(s): 5-7-01Resident address(es): 123 Ramona Drive,Libby, MT 59923

Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Technical Review: [Signature]  
(Volpe Project Manager or designate)Date: 5/11/01Quality Assurance Review and Approval: [Signature]  
(Quality Assurance Coordinator or designate)Date: 5/15/01Approved By: [Signature]  
(USEPA OSC or SSC)Title: ToxicologistDate: 5/24/01SSCC:\WINDOWS\Desktop\SQAPP\Performance.doc  
5/1/01

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# Record of Deviation Request for Modification

Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
File approved copy with Dept. Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 8/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 (2) 3 4 NA

Requester: Gregory Picerna Title: IH  
Company: PES Date: 4/20/01

Description of Deviation: Household and ST Sweeping, vacuuming and dusting activities will be based on specific house attributes

Field Logbook and page number deviation is documented on: \_\_\_\_\_  
Reason for Deviation: House attributes vary from site to site Please Add: \_\_\_\_\_

Potential Implications of this Deviation: that sample times will vary but will be documented in the field log book when sampling times vary from those recommended in QAPP.

Duration of Deviation (circle one):  
Temporary Date(s): \_\_\_\_\_  
Resident address(es): \_\_\_\_\_

Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Pg 13, 12 - Scenario 2: Sampling During Active House hold Cleaning

Technical Review: [Signature] Date: 5/4/01  
(Volpe Project Manager or designate)

Quality Assurance Review and Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
(Quality Assurance Coordinator or designate)

Approved By: [Signature] Title: SSC Date: 5/24/01  
(USEPA OSE or SSC)

OPTIONAL FORM 90 (7-00)

FAX TRANSMITTAL

# of Pages 5

To: <u>Angela</u>	From: <u>John</u>
Dept./Agency: <u>J</u>	Phone #:
Fax # <u>416 293 8901</u>	Fax #:

NOV 7 2001 01:17:30

5000-101

GENERAL SERVICES ADMINISTRATION



Record of  
Request for

Libby Sampling and Q

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 2 3 4 NA

Requester: Daniel Senegal  
Company: PES

Title: TH  
Date: 08 June 01

Description of Deviation:

No sweeping of the floor was done during active sampling. The dusting and vacuuming activities were extended from 40 minutes to an hour each.

Field Logbook and page number deviation is documented on: Logbook #200007 pg# 107

Reason for Deviation:

There are no bare floors in residence. The kitchen and bathroom are both carpeted.

Potential Implications of this Deviation:

No sample data for sweeping activities

Duration of Deviation (circle one):

Temporary

Date(s): 06 June 01

Resident address(es): 3496 Highway 2 South

Libby, MT

Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Technical Review:

(Volpe Project Manager or designate)

Date: 8/6/01

Quality Assurance Review and Approval:

(Quality Assurance Coordinator or designate)

Date:

Approved By:

(USEPA OSC or SSC)

Title:

Date:

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8/6/01

000016



# Record of Deviation/ Request for Modification

to the  
Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 2 3 4 NA

Requester: Daniel Smiga  
Company: PES

Title: TH  
Date: 12 July 01

Description of Deviation: Active sampling personnel monitors set at a value higher than 0.54/min.

Field Logbook and page number deviation is documented on: Log # 200008 Missing pg #  
Reason for Deviation: Previous study indicated low potential of overload

Potential Implications of this Deviation: Low potential for overloading filter. Counters were switched out for each test

Duration of Deviation (circle one):

Temporary Date(s) 11 July 01  
Resident address(es): 1107 Idaho Avenue  
Libby, MT

Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Technical Review: [Signature] Date: 8/6/01  
(Volpe Project Manager or designate)

Quality Assurance Review and Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
(Quality Assurance Coordinator or designate)

Approved By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_  
(USEPA OSC or SSC)

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000017



# Record of Deviation/ Request for Modification

to the  
Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Daniel Snigal  
Company: PES

Title: TH  
Date: 12 July 01

## Description of Deviation:

The three hour pre-sample and 3 three hour post sample in the work area were not collected

Field Logbook and page number deviation is documented on: Logbook #200008, missing pg 4

## Reason for Deviation:

Work area is within the living area, area was fully sealed and decontaminated immediately following the scenario.

## Potential Implications of this Deviation:

No data available to show settling of dust

## Duration of Deviation (circle one):

Temporary

Date(s): 11 July 01

Resident address(es): 1107 Idaho Avenue  
Libby, MT

Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Technical Review:  
(Volpe Project Manager or designee)

Date: 8/6/01

Quality Assurance Review and Approval:  
(Quality Assurance Coordinator or designee)

Date: \_\_\_\_\_

Approved By:  
(USEPA OSC or SSQ)

Title: \_\_\_\_\_

Date: \_\_\_\_\_

000018

**Record of Deviation/  
Request for Modification**  
to the

Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 8/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 2 3 4 NA

Requester: Daniel Smigal  
Company: PES

Title: JH  
Date: 12 July 01

## Description of Deviation:

Three sequential samples in living area were not collected after work completion

Field Logbook and page number deviation is documented on: Log #200008 Missing Pg #

## Reason for Deviation:

Chlorinated containment zones erected in living area. Containment barriers were built around individual vent fans.

## Potential Implications of this Deviation:

No data

## Duration of Deviation (circle one):

Temporary

Date(s): 11 July 01

Resident address(es): 1107 Idaho Avenue

Libby, MT

Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Technical Review: [Signature]  
(Volpe Project Manager or designate)

Date: 8/6/01

Quality Assurance Review and Approval: \_\_\_\_\_  
(Quality Assurance Coordinator or designate)

Date: \_\_\_\_\_

Approved By: \_\_\_\_\_  
(USEPA OSC or SSC)

Title: \_\_\_\_\_ Date: \_\_\_\_\_

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5/1/01





**Record of Deviation/  
Request for Modification**  
to the

Libby Sampling and Quality Assurance Project Plan

000019

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Daniel Smigal  
Company: PES

Title: JH  
Date: 12 July

Description of Deviation:

Just monitors were not used during scenario. Just monitors have been returned to owner.

Field Logbook and page number deviation is documented on:

Log # 200008 missing Pg #

Reason for Deviation:

Request of EPA

Potential Implications of this Deviation:

No data

Duration of Deviation (circle one):

Temporary

Date(s):

Resident address(es):

Permanent

(complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Page 12 Just monitors should be deleted

Technical Review:

[Signature]  
(Volpe Project Manager or designate)

Date:

8/6/01

Quality Assurance Review and Approval:

(Quality Assurance Coordinator or designate)

Date:

Approved By:

(USEPA OSC or SSC)

Title:

Date:

C:\WINDOWS\Desktop\SQAPP\nodumr2.doc  
3/1/01



# Record of Deviation/ Request for Modification

to the  
Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.

File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 (4) NA

Requester: Pam Chehasko Title: EH  
Company: PES Date: 8-21-01

## Description of Deviation:

Four (4) stationary air monitors were used instead of two (2)  
for pre-, active, and post-activity sampling indicate whole; four corners  
of perimeter

Field Logbook and page number deviation is documented on: Logbook 200002, pg. 82

## Reason for Deviation:

Wind swirls. No "upwind" and "downwind" areas could be determined.  
No MET station on site.

## Potential Implications of this Deviation:

Improved sample coverage for fiber migration.

## Duration of Deviation (circle one):

Temporary Date(s): \_\_\_\_\_  
Resident address(es): \_\_\_\_\_

Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

A sufficient number of stationary air samples will be set  
up around the perimeter of the property to quantify the impact  
of the activity on asbestos levels in ambient air. Scenario 4, pg 17.

Technical Review: \_\_\_\_\_ Date: \_\_\_\_\_  
(Volpe Project Manager or designate)

Quality Assurance Review and Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
(Quality Assurance Coordinator or designate)

Approved By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_  
(USEPA OSC or SSC)

000020



# Record of Deviation/ Request for Modification

to the  
Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Pam Chelasko

Title: IH

Company: PES

Date: 8-21-01

## Description of Deviation:

Four (4) stationary air monitors were used instead of two (2)  
for pre-, active, and post-active sampling

Field Logbook and page number deviation is documented on: Logbook 200008, pg 82

## Reason for Deviation:

Wind swirled. No "upwind" and "downwind" areas could be determined.  
No MET station on site.

## Potential Implications of this Deviation:

Improved sample coverage for fiber migration

## Duration of Deviation (circle one):

Temporary

Date(s):

Resident address(es):

Permanent

(complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

A sufficient number of stationary air samples will be set  
up around the perimeter of the property to quantify the impact  
of the activity on ambient levels in ambient air. Scenario 4, pg 17.

Technical Review:

(Volpe Project Manager or designate)

Date: 8/28/01

Quality Assurance Review and Approval:

(Quality Assurance Coordinator or designate)

Date:

Approved By:

(USEPA OSC or SSC)

Title:

Date:



# Record of Deviation/ Request for Modification

to the

Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.

File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 (4) NA

Requester: Pam Chehaque Title: IT  
Company: PES Date: 8-21-01

## Description of Deviation:

Two (2) workers in exclusion zone during rototilling activity. Run personal samples on both workers, including excursion sample.

Field Logbook and page number deviation is documented on: Logbook # 200008, pg 82

## Reason for Deviation:

Assess exposure of both workers involved in rototilling activity.

## Potential Implications of this Deviation:

Improved exposure data.

## Duration of Deviation (circle one):

Temporary Date(s): \_\_\_\_\_  
Resident address(es): \_\_\_\_\_

Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Personal air sampling pumps will be worn by the rototiller operator and his assistant - (two personal - full period, and two half period excursion samples per worker). Section 4, pg. 17.

Technical Review: \_\_\_\_\_ Date: \_\_\_\_\_  
(Volpe Project Manager or designate)

Quality Assurance Review and Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
(Quality Assurance Coordinator or designate)

Approved By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_  
(USEPA OSC or SSC)

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# Record of Deviation/ Request for Modification

to the  
Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.

File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 (4) NA

Requester: Pam Cheah Title: IH  
Company: PES Date: 8-21-01

## Description of Deviation:

Two (2) workers in exclusion zone during rototilling activity. Personal samples on both workers, including excursion sample

Field Logbook and page number deviation is documented on: Logbook # 200008, pg 82

Reason for Deviation: Accidental exposure of both workers involved in rototilling activity.

## Potential Implications of this Deviation:

Improved exposure data.

## Duration of Deviation (circle one):

Temporary Date(s): \_\_\_\_\_  
Resident address(es): \_\_\_\_\_

Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Personal air sampling pumps will be worn by the rototiller operator and his assistant - full period, and two half period excursion samples per worker in scenario 4, pg 17.

Technical Review: [Signature] Date: 8/28/01  
(Volpe Project Manager or designate)

Quality Assurance Review and Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
(Quality Assurance Coordinator or designate)

Approved By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_  
(USEPA OSC or SSC)



# Record of Deviation/ Request for Modification

to the  
Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Pam Chelash Title: TH  
Company: PES Date: 8-21-01

Description of Deviation:  
No aerosol monitor used during rototilling activity.

Field Logbook and page number deviation is documented on: Logbook # 200008, pg. 82  
Reason for Deviation:  
EPA Request

Potential Implications of this Deviation:  
No data

Duration of Deviation (circle one):  
Temporary Date(s): \_\_\_\_\_  
Resident address(es): \_\_\_\_\_  
Permanent (complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):  
Delete use of aerosol monitor. Scenario 4, pg. 18

Technical Review: \_\_\_\_\_ Date: \_\_\_\_\_  
(Volpe Project Manager or designate)

Quality Assurance Review and Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
(Quality Assurance Coordinator or designate)

Approved By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_  
(USEPA OSC or SSC)

000022



# Record of Deviation/ Request for Modification

to the  
Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.

File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Pam Cheaske  
Company: PES

Title: IH  
Date: 8-21-01

Description of Deviation:

No aerosol monitor used during rototilling activity

Field Logbook and page number deviation is documented on: Logbook # 200008, pg. 82

Reason for Deviation:

EPA Request

Potential Implications of this Deviation:

No data

Duration of Deviation (circle one):

Temporary

Date(s):

Resident address(es):

Permanent

(complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

Delite use of aerosol monitor. Scenario 4, pg. 18

Technical Review:

(Volpe Project Manager or designate)

Date:

8/22/01

Quality Assurance Review and Approval:

(Quality Assurance Coordinator or designate)

Date:

Approved By:

(USEPA OSC or SSC)

Title:

Date: